

Mission Design and Analysis Tool - Air Force

Proposed Recipient: Georgia Institute of Technology

Address of Recipient: School of Aerospace Engineering; 270 Ferst Dr.; Atlanta, GA 30332-0150

Amount of Request: \$5 Million

Explanation of Request

Purpose: Air Force-wide project aimed at developing new procedures and user interface methodologies for the Warfighter that request in-theater tactical Intelligence, Surveillance, & Reconnaissance (ISR) support via satellite, UAV or Aircraft. This project will help improve the interface and communications between aircraft, satellites and ground communications systems. The program will develop applications that directly support the Warfighter Education and Training in support of Air Force Mission Operations In-Theater.

Why is it a good use of Taxpayer funds: This program will help reduce costs at the Air Force and assist them in modernizing its satellite ground operations and training equipment. In addition this project will allow for more trainees to train on ground station equipment since the program calls for "plug and play" concepts utilizing laptop computers instead of training on one archaic Air Force trainer which requires millions of dollars to operate. Provides rapid spacecraft prototyping and mission performance/analysis for the Operationally Responsive Space (ORS) activity. This technology will significantly reduce the cost and time to design and build spacecraft.